Name:

*Ms. Estrada, Mr. Bielmeier, Mr. Tiénou-Gustafson*

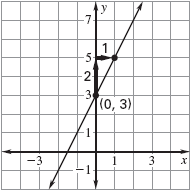
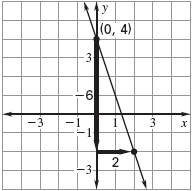
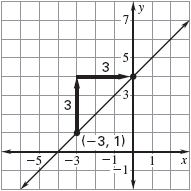
Geometry, Period

Due Date: Mon, 8 Sep 2014

**Geometry**

**Homework**



1) **Write an equation of the line shown.**

a. b. c.

Slope-intercept form: \_\_\_\_\_\_\_\_\_\_\_\_ Slope-intercept form: \_\_\_\_\_\_\_\_\_\_\_ Slope-intercept form: \_\_\_\_\_\_\_\_\_

Point-slope form: \_\_\_\_\_\_\_\_\_\_\_\_\_ Point-slope form: \_\_\_\_\_\_\_\_\_\_\_\_\_ Point-slope form: \_\_\_\_\_\_\_\_\_\_\_\_\_

Standard form: \_\_\_\_\_\_\_\_\_\_\_\_\_ Standard form: \_\_\_\_\_\_\_\_\_\_\_\_ Standard form: \_\_\_\_\_\_\_\_\_\_\_\_\_

2) **Writing:** Describe the steps you would take to write an equation in point-slope form of the line that passes through the point (3, - 2) and (4, 5).

|  |  |  |  |
| --- | --- | --- | --- |
| 3) **Writing Equations:** Write an equation in point-slope form of the line that passes through the given point and has the given slope *m.*   |  |  |  | | --- | --- | --- | | a) | b) | c) | |
| 4) Write an equation in slope-intercept form of the line with the given slope and y-intercept.  a) Slope: 5 b) Slope:  c) Slope:  y-intercept: 7 y-intercept: 2 y-intercept: 1  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 5) Write an equation in standard form of the line with these characteristics: Slope:10, Passes through |

**Manipulate the following equations into all 3 forms (slope-intercept, point slope, and standard) and graph.**

6) **4x = 9 – 3y** Graph:



Slope-intercept form: \_\_\_\_\_\_\_\_\_\_\_\_

Point-slope form: \_\_\_\_\_\_\_\_\_\_\_\_\_

Standard form: \_\_\_\_\_\_\_\_\_\_\_\_\_

7) **-2 – x + y = 0**

Slope-intercept form: \_\_\_\_\_\_\_\_\_\_\_\_

Point-slope form: \_\_\_\_\_\_\_\_\_\_\_\_\_

Standard form: \_\_\_\_\_\_\_\_\_\_\_\_\_



8) **y = -0.5x – 3**

Slope-intercept form: \_\_\_\_\_\_\_\_\_\_\_\_

Point-slope form: \_\_\_\_\_\_\_\_\_\_\_\_\_

Standard form: \_\_\_\_\_\_\_\_\_\_\_\_\_